

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011646

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C07K16/28 A61K39/395 C12N15/13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C07K C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, CHEM ABS Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/54440 A (DOERKEN, BERND; RIETHMUELLER, GERT; KUFER, PETER; LUTTERBUESE, RALF; B) 28 October 1999 (1999-10-28) cited in the application abstract; claims 1-32 ----- EP 0 620 276 A (CELLTECH LIMITED) 19 October 1994 (1994-10-19) page 3, line 29 - line 45 page 4, line 49 - line 56 table 2 figure 5 SEQ ID NO:22 ----- -----	1-41
Y		1-41

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

4 February 2005

Date of mailing of the international search report

21/02/2005

Name and mailing address of the ISA

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PCT/EP2004/011646

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MALETZ K ET AL: "Bispecific single-chain antibodies as effective tools for eliminating epithelial cancer cells from human stem cell preparations by redirected cell cytotoxicity"            INTERNATIONAL JOURNAL OF CANCER,            vol. 93, no. 3,            1 August 2001 (2001-08-01), pages 409-416,            XP002301955            ISSN: 0020-7136            page 409, right-hand column, paragraph 2</p> <p>-----</p>	1-41
A	<p>US 6 491 916 B1 (BLUESTONE JEFFREY A ET AL) 10 December 2002 (2002-12-10)            column 2, last paragraph            column 3, line 66 - column 4, line 1            column 8, line 47 - column 9, line 21</p> <p>-----</p>	1-41
A	<p>WO 02/066514 A (MERCK PATENT GMBH;            GILLIES, STEPHEN; CARR, FRANCIS, J; JONES,            TIM; CAR) 29 August 2002 (2002-08-29)            page 5, line 27 - page 6, line 31            page 65, line 1 - page 70, line 7            page 71, line 23 - line 32            page 72, line 18 - page 74, line 9</p> <p>-----</p>	1-41
P, A	<p>US 2004/162411 A1 (LANZAVECCHIA ANTONIO)            19 August 2004 (2004-08-19)            the whole document</p> <p>-----</p>	1-41

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 37-40 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

## Information on patent family members

International Application No

PCT/EP2004/011646

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9954440	A 28-10-1999	AT 244758 T AU 761587 B2 AU 4135299 A BG 104868 A BR 9909860 A CA 2326389 A1 CN 1299410 T DE 69909459 D1 DE 69909459 T2 DK 1071752 T3 WO 9954440 A1 EP 1348715 A2 EP 1071752 A1 ES 2203141 T3 HR 20000714 A1 HU 0102535 A2 ID 27512 A JP 2002512020 T NO 20005296 A NZ 507381 A PL 344016 A1 PT 1071752 T RU 2228202 C2 SI 1071752 T1 SK 15792000 A3 TR 200003087 T2 ZA 200005866 A	15-07-2003 05-06-2003 08-11-1999 28-09-2001 19-12-2000 28-10-1999 13-06-2001 14-08-2003 27-05-2004 20-10-2003 28-10-1999 01-10-2003 31-01-2001 01-04-2004 31-12-2001 28-10-2001 12-04-2001 23-04-2002 13-12-2000 19-12-2003 24-09-2001 28-11-2003 10-05-2004 31-12-2003 10-05-2001 21-02-2001 18-04-2001
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Information on patent family members

International Application No

PCT/EP2004/011646

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
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